



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 205999, 206201

TO: Nancy Zhang  
Location: rem/3D30/3C70  
Art Unit: 1614  
Tuesday, October 31, 2006

Case Serial Number: 10/608416

From: Mary Jane Ruhl  
Location: Biotech-Chem Library  
Remsen 1-A-62  
Phone: 571-272-2524

maryjane.ruhl@uspto.gov

### Search Notes

Examiner Zhang,

Here are the results for your recent search request. These results should be available in SCORE in approximately one day.

To access SCORE, click on the link: <http://es/ScoreAccessWeb>

Type SN in Identification Number box -> submit

For Sequence Searches, click on the Number of Search Results.

For Structure or Text searches, click on the Number of Mega Items.

Click on Download.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl  
Technical Information Specialist  
STIC  
Remsen 1-A-61  
Ext. 22524



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# STIC SEARCH RESULTS FEEDBACK FORM

## Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

Mary Hale, Information Branch Supervisor  
571-272-2507 Remsen E01 D86

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library, Remsen Bldg

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10-1232

ACCESS DB #

205966

PLEASE PRINT CLEARLY

RECEIVED

206201

OCT 30 2005

Scientific and Technical Information Center

## SEARCH REQUEST FORM

Requester's Requester's Full Name: Nancy Zhang; Examiner#: 82360

Date:

10/27/06

Art Unit: 1614; Phone Number: 2-8270

Number: 10/608,416

Location (Bldg/Rm#): 3D30; (Mailbox#): 3C70

referred (circle) PAPER DISK

\*\*\*\*\*

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

ME

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

See attached bib sheet

Earliest Priority Date: \_\_\_\_\_

6/30/03

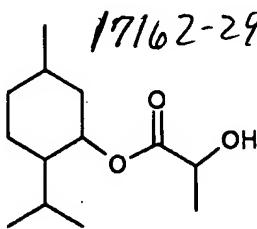
### Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

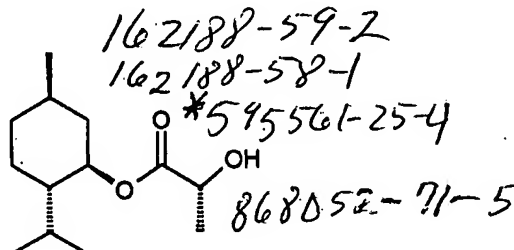
\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for the following compound with respect to the preparation or form of <sup>storage</sup> ~~storage~~ / presence.

Advantageously 1-lactic acid 1-menthyl ester (1b) is used in these products.



1



1b

Thanks!

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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 8050

<b>SERIAL NUMBER</b> 10/608,416	<b>FILING OR 371(c) DATE</b> 06/30/2003 <b>RULE</b>	<b>CLASS</b> 514	<b>GROUP ART UNIT</b> 1614	<b>ATTORNEY DOCKET NO.</b> 45384
------------------------------------	---	---------------------	-------------------------------	---

## APPLICANTS

Alfred Korber, Holzminden, GERMANY;

\*\* CONTINUING DATA \*\*\*\*\*

\*\* FOREIGN APPLICATIONS \*\*\*\*\*

GERMANY 102 29 472.0 07/01/2002

IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\*

09/22/2003

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	<b>STATE OR COUNTRY</b> GERMANY	<b>SHEETS DRAWING</b> 0	<b>TOTAL CLAIMS</b> 12	<b>INDEPENDENT CLAIMS</b> 1
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged <u>Examiner's Signature</u> <u>Initials</u>				

## ADDRESS

001609

## TITLE

Compacted lactic acid menthyl ester

<b>FILING FEE RECEIVED</b> 900	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees ( Filing )
		<input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )
		<input type="checkbox"/> 1.18 Fees ( Issue )
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit

537  
- 224  
313

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=> d.his ful.

(FILE 'HOME' ENTERED AT 13:24:08 ON 31 OCT 2006)

FILE 'HCAPLUS' ENTERED AT 13:24:54 ON 31 OCT 2006

E KORBER ALFRED/AU

L1 1 SEA ABB=ON "KORBER A"/AU

E KORBER ALFRED/AU

L2 3 SEA ABB=ON "KORBER ACHIM"/AU

FILE 'REGISTRY' ENTERED AT 13:26:02 ON 31 OCT 2006

E LACTIC ACID MENTHYL ESTER/CN

L3 STR

L4 0 SEA SSS SAM L3

L5 7 SEA SSS FUL L3

L6 1 SEA ABB=ON 17162-29-7/RN

L7 4 SEA ABB=ON (162188-59-2 OR 162188-58-1 OR 595561-25-4 OR 868052-71-5)/RN

L8 5 SEA ABB=ON L6 OR L7

FILE 'HCAPLUS' ENTERED AT 13:35:37 ON 31 OCT 2006

L9 151 SEA ABB=ON L8

L10 61 SEA ABB=ON L9 AND (?PREP? OR ?STORAGE?)

L11 0 SEA ABB=ON L10 AND (?LACTIC?(W)?ACID?(2W)?MENTHYL?(W)?ESTER?)

L12 0 SEA ABB=ON L10 AND (?LACTIC?(W)?ACID?(2W)?MENTHYL?)

L13 0 SEA ABB=ON L10 AND ?LACTIC?(W)?ACID?(4A)?MENTHYL?

L14 44 SEA ABB=ON L10 AND (PRD<20030630 OR PD<20030630)

FILE 'REGISTRY' ENTERED AT 13:37:40 ON 31 OCT 2006

L15 1 SEA ABB=ON 595561-25-4/RN

FILE 'HCAPLUS' ENTERED AT 13:37:53 ON 31 OCT 2006

L16 5 SEA ABB=ON L14 AND L15

L17 44 SEA ABB=ON L14 OR L16

FILE 'MEDLINE, BIOSIS, EMBASE, JAPIO, JICST-EPLUS' ENTERED AT 13:38:38 ON 31 OCT 2006

L18 0 SEA ABB=ON L14

FILE 'USPATFULL' ENTERED AT 13:39:30 ON 31 OCT 2006

L19 42 SEA ABB=ON L14 OR L16

FILE 'HCAPLUS, USPATFULL' ENTERED AT 13:39:49 ON 31 OCT 2006

L20 79 DUP REMOV L17 L19 (7 DUPLICATES REMOVED)

L21 1 SEA ABB=ON L20 AND ?FORM?(3A)(?STORAG? OR ?PRESENC?)

L22 79 SEA ABB=ON L20 OR L21

L23 51 SEA ABB=ON L22 AND ?FORM?

FILE HOME

FILE HCAPLUS

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Zhang 10/608,416

31/10/2006

of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 31 Oct 2006 VOL 145 ISS 19  
FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

#### FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1  
DICTIONARY FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

#### FILE MEDLINE

FILE LAST UPDATED: 27 Oct 2006 (20061027/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).  
See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_med\\_data\\_changes.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_2006\\_MeSH.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html)

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

#### FILE BIOSIS

FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 27 October 2006 (20061027/ED)



## FILE EMBASE

FILE COVERS 1974 TO 31 Oct 2006 (20061031/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

## FILE JAPIO

FILE LAST UPDATED: 23 OCT 2006 &lt;20061023/UP&gt;

FILE COVERS APRIL 1973 TO DECEMBER 22, 2005

&gt;&gt;&gt; GRAPHIC IMAGES AVAILABLE &lt;&lt;&lt;

&gt;&gt;&gt; NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN FILE JAPIO.

SEE HELP CHANGE AND

[http://www.stn-international.de/stndatabases/details/ipc\\_reform.html](http://www.stn-international.de/stndatabases/details/ipc_reform.html) <<<

## FILE JICST-EPLUS

FILE COVERS 1985 TO 24 OCT 2006 (20061024/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED TERM (/CT) THESAURUS RELOAD.

## FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 31 Oct 2006 (20061031/PD)

FILE LAST UPDATED: 31 Oct 2006 (20061031/ED)

HIGHEST GRANTED PATENT NUMBER: US7131145

HIGHEST APPLICATION PUBLICATION NUMBER: US2006242744

CA INDEXING IS CURRENT THROUGH 31 Oct 2006 (20061031/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 31 Oct 2006 (20061031/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006



INVENTOR SEARCH: No relevant hits from STN; see item 17 in combined STN/USPATFULL search

Display of Compound 1

=> s 17162-29-7/rn

L6 1 17162-29-7/RN

=> d

L6 ANSWER 1 OF 1. REGISTRY COPYRIGHT 2006 ACS on STN

RN 17162-29-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Lactic acid, p-menth-3-yl ester (8CI)

OTHER NAMES:

CN 1-Methyl-4-isopropyl-3-(2-hydroxypropionate)cyclohexanol

CN Frescolate ML

CN Menthyl lactate

CN p-Menthyl lactate

MF C13 H24 O3

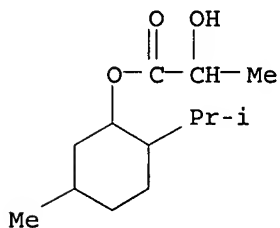
CI COM

LC STN Files: BEILSTEIN\*, CA, CAPLUS, CHEMCATS, CHEMINFORMRX, CHEMLIST, PROMT, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

122 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

122 REFERENCES IN FILE CAPLUS (1907 TO DATE)

ED Entered STN: 16 Nov 1984

DISPLAY OF CANDIDATES FOR COMPOUND 1b: probably RN 595561-25-4 is the stereoisomer requested, but all were searched.

=> s (162188-59-2 or 162188-58-1 or 595561-25-4 or 868052-71-5)/rn

1 162188-59-2/RN

1 162188-58-1/RN

1 595561-25-4/RN

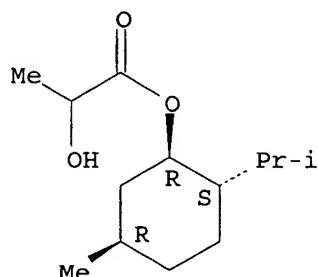
1 868052-71-5/RN

L7 4 (162188-59-2 OR 162188-58-1 OR 595561-25-4 OR 868052-71-5)/RN

=> d

L7 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 868052-71-5 REGISTRY  
ED Entered STN: 15 Nov 2005  
CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C13 H24 O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

ED Entered STN: 15 Nov 2005

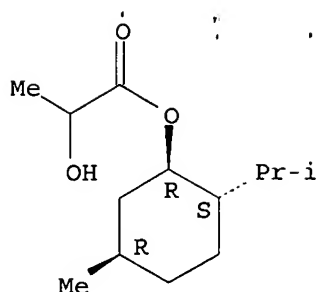
=> d 2-4

L7 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 185915-25-7 REGISTRY  
ED Entered STN: 06 Feb 1997  
CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Frescolat ML  
CN L-Menthyl lactate  
FS STEREOSEARCH  
DR 595561-25-4  
MF C13 H24 O3  
SR CA  
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.

Currently available stereo shown.





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

23 REFERENCES IN FILE CA (1907 TO DATE)

23 REFERENCES IN FILE CAPLUS (1907 TO DATE)

ED Entered STN: 06 Feb 1997

L7 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 61597-98-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester, (2S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1 $\alpha$ (S\*),2 $\beta$ ,5 $\alpha$ ]]-

OTHER NAMES:

CN 2S-(1R,2S,5R)-Menthyl lactate

FS STEREOSEARCH

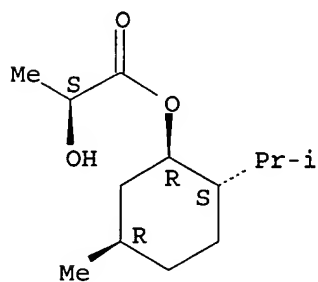
DR 162188-58-1

MF C13 H24 O3

LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMINFORMRX, MSDS-OHS, USPATFULL

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)

7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

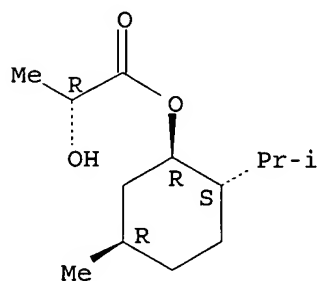
ED Entered STN: 16 Nov 1984

L7 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 59259-38-0 REGISTRY

ED Entered STN: 16 Nov 1984  
CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester, (2R)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1 $\alpha$ (R\*),2 $\beta$ ,5 $\alpha$ ]]-  
FS STEREOSEARCH  
DR 162188-59-2  
MF C13 H24 O3  
LC STN Files: ANABSTR, BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*  
(\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9 REFERENCES IN FILE CA (1907 TO DATE)

9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

ED Entered STN: 16 Nov 1984

=&gt; d que stat l23

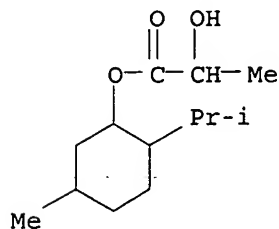
L6 1 SEA FILE=REGISTRY ABB=ON 17162-29-7/RN  
 L7 4 SEA FILE=REGISTRY ABB=ON (162188-59-2 OR 162188-58-1 OR  
 595561-25-4 OR 868052-71-5)/RN  
 L8 5 SEA FILE=REGISTRY ABB=ON L6 OR L7  
 L9 151 SEA FILE=HCAPLUS ABB=ON L8  
 L10 61 SEA FILE=HCAPLUS ABB=ON L9 AND (?PREP? OR ?STORAGE?)  
 L14 44 SEA FILE=HCAPLUS ABB=ON L10 AND (PRD<20030630 OR PD<20030630)  
 L15 1 SEA FILE=REGISTRY ABB=ON 595561-25-4/RN  
 L16 5 SEA FILE=HCAPLUS ABB=ON L14 AND L15  
 L17 44 SEA FILE=HCAPLUS ABB=ON L14 OR L16  
 L19 42 SEA FILE=USPATFULL ABB=ON L14 OR L16  
 L20 79 DUP REMOV L17 L19 (7 DUPLICATES REMOVED)  
 L21 1 SEA L20 AND ?FORM?(3A) (?STORAG? OR ?PRESENC?)  
 L22 79 SEA L20 OR L21  
 L23 51 SEA L22 AND ?FORM?

=&gt; d ibib abs hitstr l23 1-51

L23 ANSWER 1 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:1061666 HCAPLUS  
 DOCUMENT NUMBER: 145:362819  
 TITLE: Phytotherapeutic shaving composition  
 INVENTOR(S): Amaral, Everson; Santos, Antonio Jose dos Filho  
 PATENT ASSIGNEE(S): V.F. Franqueadora de Farmacia e Manipulacao Ltda,  
 Brazil  
 SOURCE: Braz. Pedido PI, 7pp.  
 CODEN: BPXXDX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Portuguese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BR 2003001476	A	20041221	BR 2003-1476	20030522 <--
PRIORITY APPLN. INFO.:			BR 2003-1476	20030522 <--

AB A liquid shaving composition is disclosed which comprises luteine and vitamins  
 E  
 and C as active agents.  
 IT 17162-29-7, Menthyl lactate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (phytotherapeutic shaving composition)  
 RN 17162-29-7 HCAPLUS  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 2 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:719564 HCAPLUS  
 DOCUMENT NUMBER: 139:235029  
 TITLE: Refrigerant compositions, refrigerant auxiliary compositions and uses thereof  
 INVENTOR(S): Ishida, Kenya; Sakurai, Kazutoshi  
 PATENT ASSIGNEE(S): Takasago International Corporation, Japan  
 SOURCE: PCT Int. Appl., 60 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003074622	A1	20030912	WO 2003-JP2368	20030228 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003211491	A1	20030916	AU 2003-211491	20030228 <--
EP 1496095	A1	20050112	EP 2003-743532	20030228 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
US 2005129721	A1	20050616	US 2003-506187	20030228 <--
CN 1649977	A	20050803	CN 2003-809875	20030228 <--
PRIORITY APPLN. INFO.:			JP 2002-56407	A 20020301 <--
			WO 2003-JP2368	W 20030228 <--

OTHER SOURCE(S): MARPAT 139:235029

AB Refrigerant compns. obtained by combining at least one refrigerant selected from among 1-menthol, isopulegol, 3-(1-menthoxy)propane-1,2-diol, 2-(1-menthoxy)ethan-1-ol, 3-(1-menthoxy)propan-1-ol, 2-methyl-3-(1-menthoxy)propane-1,2-diol, N-ethyl-1-menthylcarboxamide, p-menthane-3,8-diol, 1-menthyl lactate, and 2-isopropyl-N,2,3-trimethylbutanamide with a salicylate, such as 2-hydroxyethyl salicylate, are improved in the potency of refrigerant effect and the persistency thereof, particularly, those containing 1-menthol as the refrigerant are softened in the irritant tone resulting from 1-menthol. Incorporation of the above refrigerant compns. or perfume compns. containing the same into food and drink, cosmetics, toiletries, bath **prepns.**, drugs and so on can give products wherein the above features of the refrigerant compns. are effectively exerted. A cooling (refrigerant) composition containing dipropylene glycol 55, 1-menthol 35, isopulegol 2, 3-(1-menthoxy)propane-1,2-diol 2, 2-hydroxyethyl salicylate 1 % was **formulated**, and combined at 0.95 % with other ingredients to obtain a body shampoo.

IT 185915-25-7

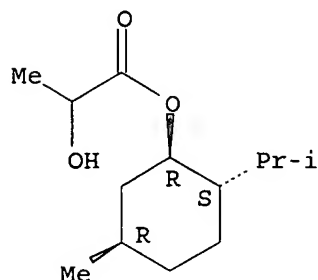
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)

(refrigerant compns. and refrigerant auxiliary compns. containing cooling agents and salicylate for cosmetic, pharmaceutical, or food products)

RN 185915-25-7 HCAPLUS

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Currently available stereo shown.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 3 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:300847 HCAPLUS  
 DOCUMENT NUMBER: 138:308943  
 TITLE: Long-acting hair growth stimulant compositions containing minoxidil  
 INVENTOR(S): Imamura, Koji; Ochiai, Rumi; Horie, Takako; Morioka, Susumu; Saito, Shinya  
 PATENT ASSIGNEE(S): Taisho Pharmaceutical Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003030844	A1	20030417	WO 2002-JP10290	20021002 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			JP 2001-308711	A 20011004 <--
			JP 2002-73699	A 20020318 <--

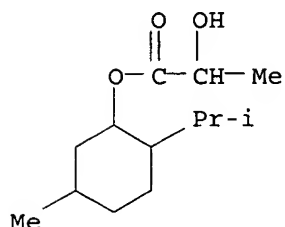
AB Long-acting minoxidil **prepns.** showing an excellent hair growth stimulating effect when applied once a day and having a favorable feel in using, characterized by containing (A) 0.1-5 % of minoxidil based on the whole **preparation**, (B) polyethylene glycol, and (C) one or two members selected from 1,3-butylene glycol and glycerol. Thus, it becomes possible to provide minoxidil **prepns.** whereby a favorable feel in use can be obtained while saving labor in application. A hair growth-stimulating lotion (pH = 6) containing minoxidil 5, glycerin 5, polyethylene glycol 5, ethanol 60.05, phosphoric acid 0.5 g, and water balance to 100 mL was **formulated.**

IT 17162-29-7, Menthyl lactate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(long-acting hair growth stimulant compns. containing minoxidil, polyethylene glycol, and 1,3-butylene glycol and/or glycerin with other ingredients)

RN 17162-29-7 HCAPLUS

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 4 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:257827 HCAPLUS

DOCUMENT NUMBER: 138:276266

TITLE: Oral resin compositions containing refreshing agents

INVENTOR(S): Kubo, Kyoko; Nakagawa, Yasuo; Ichihara, Takashi; Nakagami, Joji; Okudaira, Ichiro

PATENT ASSIGNEE(S): Taisho Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003095981	A2	20030403	JP 2001-293106	20010926 <--

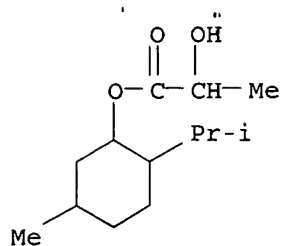
PRIORITY APPLN. INFO.: JP 2001-293106 20010926 <--

AB This invention relates to oral **prepns.** containing (1) a resin selected from the group consisting of colestimide, polycarbophil, and/or salts thereof and (2) refreshing agents selected from the group consisting of menthol, camphor, peppermint oil, eucalyptus oil, chlorbutanol, and menthyl lactate, to improve patients' compliance. For example, tablets were **formulated** containing colestimide 1000, hydroxypropyl cellulose 50, crospovidone 6.5, and Mg stearate 3 parts and coated with a solution containing dl-menthol 14.6, sugar ester S-1670 7.33, glycerin 7.33, pullulan 73.3, and distilled water 997 parts.

IT 17162-29-7, Menthyl lactate  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(oral resin compns. containing refreshing agents)

RN 17162-29-7 HCAPLUS

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



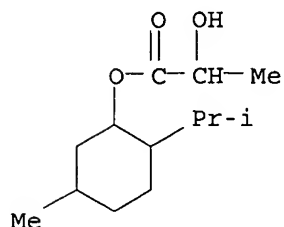
L23 ANSWER 5 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:504605 HCAPLUS  
 DOCUMENT NUMBER: 137:67943  
 TITLE: Chewing gums and related products containing metal salts for breath fresheners  
 INVENTOR(S): McGrew, Gordon N.; Maxwell, James R.; Tyrpin, Henry T.; Greenberg, Michael J.  
 PATENT ASSIGNEE(S): Wm. Wrigley Jr. Company, USA  
 SOURCE: PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051392	A1	20020704	WO 2001-US50409	20011221 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002122843	A1	20020905	US 2001-24669	20011214 <--
US 7087255	B2	20060808		
CA 2433283	AA	20020704	CA 2001-2433283	20011221 <--
EP 1353653	A1	20031022	EP 2001-991554	20011221 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
RU 2266107	C2	20051220	RU 2003-123504	20011221 <--
AU 2005203063	A1	20050804	AU 2005-203063	20050714 <--
PRIORITY APPLN. INFO.:				
			US 2000-258534P	P 20001227 <--
			WO 2001-US50409	W 20011221 <--
AB	A coated chewing gum is provided that includes a metal salt. The salt can be located in the gum center, coating, or both. A metal salt is provided in a therapeutically effective amount to reduce or eliminate oral malodors. A variety of metal salts are possible. The coating may also include a surfactant and an edible oil. For example, a chewing gum centers were prepared by mixing the following ingredients and forming pillow shaped pellets: sorbitol 51.51%, gum base 27.83%, talc 4.92%, lemon flavor 2.37%, encapsulated food acids 2.37%, malic acid 1.67%, zinc gluconate 1.50%, citric acid 0.83%, encapsulated APM 1.13%, WS23 0.20%, lecithin 0.20%, and glycerin 5.47%.			
IT	17162-29-7, Menthyl lactate			

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(chewing gums and related products containing metal salts).

RN 17162-29-7 HCAPLUS

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 6 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:251854 HCAPLUS

DOCUMENT NUMBER: 136:284217

TITLE: Oral sensory perception-affecting compositions containing dimethyl sulfoxide, complexes thereof and salts thereof

INVENTOR(S): Grainger, Brian T.; Kleinhenz, Robert J.; Christensen, Gary W.

PATENT ASSIGNEE(S): International Flavors & Fragrances Inc., USA

SOURCE: U.S., 32 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6365215	B1	20020402	US 2000-710452	20001109 <--
EP 1205116	A2	20020515	EP 2001-308649	20011010 <--
EP 1205116	A3	20031112		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLN. INFO.: US 2000-710452 A 20001109 <--

OTHER SOURCE(S): MARPAT 136:284217

AB An oral sensory perception-affecting composition which is an ultimate product selected from the group consisting of beverages, toothpastes, throat lozenges, hard candies, mouthwashes, dental floss, chewing gums, edible films and chewable pharmaceutical products comprises (i) a base and (ii) DMSO and at least one second compound selected from compds.: (a) containing at least one menthyl moiety; and/or (b) containing at least one vanillyl moiety; and/or (c) containing at least one carboxamide moiety when the weight ratio of second compound(s) to DMSO is in the range of about 1000:1 down to about 3:10 and food grade acceptable salts. The concentration of DMSO based on the weight

of ultimate product is about 0.05-200 ppm, and the concentration of second compound

is about 2-10,000 ppm on a premixed basis. Also, an oral sensory perception-affecting (e.g., "coolant")-imparting consumable article (e.g., mouthwashes and the like) is described comprising a consumable article base



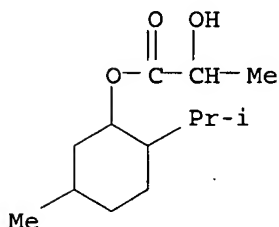
and at least one of the aforementioned oral sensory perception-affecting compns. For example, an oral hygiene flavor **formulation** was **prepared** containing (by weight) peppermint oil 89.0%, spearmint oil 2.0%, clove oil 1.0%, anethole 2.0%, cardamom oil 0.1%, wintergreen oil 5.0%, cinnamic aldehyde 0.9%, aspartame 0.05%. The basic oral hygiene flavor **formulation** is now divided into two parts. To the first part, a 1:50 mixture of DMSO/menthyl succinate was added at the rate of 10%. To the second part, nothing was added. The flavor with the addition of the DMSO/menthyl succinate mixture gave rise to a fresher, sweet, licorice, anise oil, spicy aroma and taste characteristics with aesthetically pleasing cooling nuances. The peppermint characteristics also appear to be enhanced. The flavor without the DMSO/menthyl succinate mixture has an unpleasant aftertaste, which is not present in the mixture containing the DMSO/menthyl succinate mixture. Accordingly, the DMSO/menthyl succinate-containing composition was preferred by a five member bench panel.

IT 17162-29-7, Menthyl lactate

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(oral sensory perception-affecting compns. containing DMSO and its complexes and salts)

RN 17162-29-7 HCAPLUS

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 7 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:788811 HCAPLUS

DOCUMENT NUMBER: 135:335177

TITLE: Transdermal patches containing indomethacin

INVENTOR(S): Kawakami, Junji; Kawamoto, Toshinori; Kakubari, Yasuhiro

PATENT ASSIGNEE(S): Saitama Daiichi Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001302502	A2	20011031	JP 2000-126794	20000427 <--
PRIORITY APPLN. INFO.:			JP 2000-126794	20000427 <--

AB This invention relates to a patch comprising indomethacin,  $\geq 2$  styrene-isoprene-styrene block copolymers having a different viscosity, tackifiers, paraffin oils, and polyethylene glycol. The compns. provide an excellent adhesion and peelability and indomethacin remain stable during storage. A patch was **formulated** containing Kraton

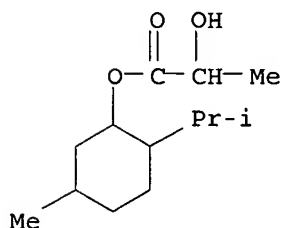
D-1107CU (SIS block copolymer) 15.4, Kraton D-1117CU 6.6, ester gum H 17.6, paraffin oils 41.8, dibutylhydroxytoluene 1, indomethacin 2.6, PEG-200 10, and PEG-20,000 5 parts.

IT 17162-29-7, Menthyl lactate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(transdermal patches containing indomethacin and adhesives)

RN 17162-29-7 HCAPLUS

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 8 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:564808 HCAPLUS

DOCUMENT NUMBER: 135:157673

TITLE: Surfactant free topical compositions and method for rapid preparation thereof

INVENTOR(S): Wilmott, James M.; Aust, Duncan T.; Crawford, Timothy K.; Hayward, James A.

PATENT ASSIGNEE(S): Collaborative Technologies, Inc., USA

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

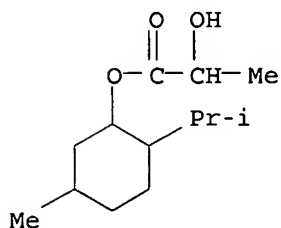
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001054663	A2	20010802	WO 2001-US3157	20010131 <--
WO 2001054663	A3	20011220		
WO 2001054663	C2	20021031		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2399229	AA	20010802	CA 2001-2399229	20010131 <--
AU 2001033174	A5	20010807	AU 2001-33174	20010131 <--
EP 1253903	A2	20021106	EP 2001-905275	20010131 <--
EP 1253903	B1	20060517		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004501068	T2	20040115	JP 2001-555642	20010131 <--
AT 326205	E	20060615	AT 2001-905275	20010131 <--
US 2003215471	A1	20031120	US 2002-203055	20021126 <--
PRIORITY APPLN. INFO.:			US 2000-179057P	P 20000131 <--

US 2000-191878P P 20000323 <--  
 US 2000-216847P P 20000707 <--  
 WO 2001-US3157 W 20010131 <--

AB The present invention relates to a composition for topical, oral, nasal, anal, ophthalmic, or vaginal application comprising a base composition and at least one dispersion comprising suspended particles of a hydrophobic active agent, a hydrophobic adjuvant, or a combination thereof. The base composition comprises a rheol. modifying agent and water. The composition is substantially free of emulsifying surfactants and the suspended particles generally have a diameter less than about 500 or 1,000 nm. Another embodiment is a method of **preparing** a composition comprising mixing the aforementioned base composition with the aforementioned dispersion. Mixing may be **performed** with a propeller mixer or manually, i.e., by hand. Since the topical dispersion is simple and quick to **prepare**, custom cosmetic compns. may be **prepared** at the point of sale for customers. Prior to the present invention, such products would take hours to be **prepared**. Furthermore, the method of the present invention is significantly more efficient (i.e. less expensive and faster) than conventional methods for **preparing** emulsion-based compns. The present invention further relates to a method of treating topical, oral, nasal, anal, ophthalmic or vaginal disorders with the composition of this invention. A cream base composition contained Structure Zea (a hydroxypropyl distarch phosphate) 3.00, Gemazide MPB (a mixture of phenoxyethanol, chlorphenesin, glycerin, methylparaben, and benzoic acid) 1.5, 2% aqueous solution of Carbopol-940 3.00, triethanolamine 0.86, and water q.s. 100%.

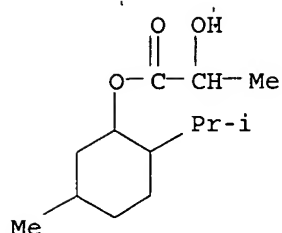
IT 17162-29-7, Menthyl lactate  
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (surfactant free topical compns. and method for rapid **preparation** thereof)

RN 17162-29-7 HCAPLUS  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 9 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:756485 HCAPLUS  
 DOCUMENT NUMBER: 133:325470  
 TITLE: Cosmetic compositions containing menthyl lactate, isopulegol and menthoxypropanediol  
 INVENTOR(S): Soares, Alan Joseph; Znaiden, Alexander Paul; Feliciano, Donald Carl; Carrabotta, Michele  
 PATENT ASSIGNEE(S): Unilever Plc, UK; Unilever N. V.; Hindustan Lever Ltd.  
 SOURCE: PCT Int. Appl., 20 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062737	A1	20001026	WO 1999-EP9587	19991202 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6267974	B1	20010731	US 1999-430071	19991029 <--
CA 2361845	AA	20001026	CA 1999-2361845	19991202 <--
BR 9917261	A	20020108	BR 1999-17261	19991202 <--
EP 1169011	A1	20020109	EP 1999-962234	19991202 <--
EP 1169011	B1	20040407		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AU 752674	B2	20020926	AU 2000-18636	19991202 <--
AU 2000018636	A5	20001102		
JP 2002542176	T2	20021210	JP 2000-611874	19991202 <--
AT 263541	E	20040415	AT 1999-962234	19991202 <--
RU 2229282	C2	20040527	RU 2001-130894	19991202 <--
ES 2217858	T3	20041101	ES 1999-962234	19991202 <--
TW 224008	B1	20041121	TW 2000-89100720	20000118 <--
ZA 2001006408	A	20020805	ZA 2001-6408	20010803 <--
HK 1042845	A1	20041203	HK 2002-103973	20020528 <--
PRIORITY APPLN. INFO.:			US 1999-129782P	P 19990416 <--
			WO 1999-EP9587	W 19991202 <--
AB	A sensate composition is provided for imparting a long lasting cooling effect on skin. The composition is a combination of menthyl lactate (I), isopulegol (II) and menthoxypropanediol (III), the latter providing a cooling enhancing effect. Cosmetic compns. can be <b>prepared</b> incorporating the sensate composition A combination of I 0.1, II 0.02, and III 0.08% by weight			
	was added to a base cosmetic <b>formulation prepared</b> from cyclomethicone 36.0, crosslinked silicone elastomer in cyclomethicone (25% active) 24.0, propylene glycol 20.5, PEG-200 10.5, di-Me isosorbide 2.0, ascorbic acid 5.0, and cetyl dimethicone copolyol 0.8% by weight Sustained cooling was obtained by a combination of 3 components.			
IT	17162-29-7, Menthyl lactate			
	RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
	(cosmetic compns. containing menthyl lactate and isopulegol and menthoxypropanediol)			
RN	17162-29-7 HCAPLUS			
CN	Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)			



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 10 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:616614 HCAPLUS

DOCUMENT NUMBER: 133:212915

TITLE: Cosmetics containing lower alcohols, spherical powder, film-forming agents, and refreshing agents

INVENTOR(S): Takahashi, Atsushi; Masuda, Suguru

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000239139	A2	20000905	JP 1999-37689	19990216 <--
PRIORITY APPLN. INFO.:			JP 1999-37689	19990216 <--

AB The cosmetics, which refresh skin, have astringent effect, and are nonsticky, contain 10-60% lower alcs., spherical powder, film-forming agents, and refreshing agents such as menthol. A lotion containing EtOH 25.0, glycerin 2.0, carboxyvinyl polymer 0.3, polyoxyethylene hydrogenated castor oil 0.5, spherical SiO<sub>2</sub> 0.1, poly(vinylpyrrolidone) 2.0, menthol 0.001, tri-Na edetate 0.02, KOH 0.15, perfume 0.01, and H<sub>2</sub>O to 100% was prepared and evaluated.

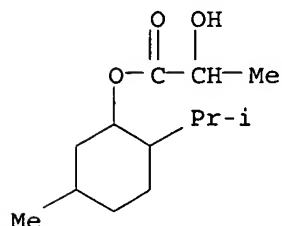
IT 17162-29-7, Menthyl lactate

RL: BUU (Biological use; unclassified); BIOL (Biological study); USES (Uses)

(astringent cosmetics containing lower alcs., spherical powder, film-forming agents, and refreshing agents)

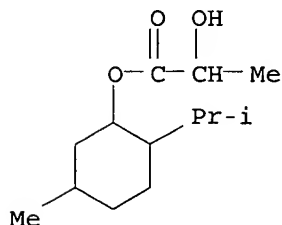
RN 17162-29-7 HCAPLUS

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 11 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:128102 HCAPLUS  
 DOCUMENT NUMBER: 126:176678  
 TITLE: Bath products containing menthyl lactate  
 INVENTOR(S): Caroselli, Robert; Clemente, Theodore, Jr.; Sandbeck, Sandra E.  
 PATENT ASSIGNEE(S): Ciba-Geigy Corporation, USA  
 SOURCE: U.S., 3 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

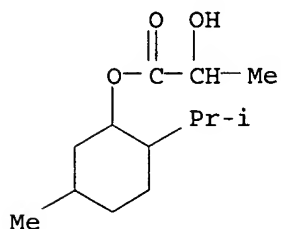
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5602178	A	19970211	US 1994-339377	19941114 <--
PRIORITY APPLN. INFO.:			US 1994-339377	19941114 <--
AB	A method of achieving a relaxing, invigorating, tingling bath in the absence of a menthol aroma, comprises incorporating into the bath <b>formulation</b> menthyl lactate at 0.5-15% by weight together with carrier such as magnesium sulfate. Thus, a <b>formulation</b> contained magnesium sulfate 88.44, menthyl lactate 6.31, MgCO <sub>3</sub> 3.80, speramint/eucalyptus fragrance 0.67, FD&C Blue #1 Aluminum lake 0.08%, and sodium aluminum silicate 0.70%.			
IT	17162-29-7, p-Menthyl lactate RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (bath products containing menthyl lactate)			
RN	17162-29-7 HCAPLUS			
CN	Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)			



L23 ANSWER 12 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1996:431722 HCAPLUS  
 DOCUMENT NUMBER: 125:67819  
 TITLE: Use of menthyl lactate as a pain reliever  
 INVENTOR(S): Braun, Richard Louis; Caroselli, Robert; Clemente, Theodore, Jr.; Sandbeck, Sandra Ervy  
 PATENT ASSIGNEE(S): Zyma S.A., Switz.  
 SOURCE: PCT Int. Appl., 11 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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 WO 9614840 A1 19960523 WO 1995-EP4334 19951104 <--  
 W: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP,  
 KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MX, NO, NZ,  
 PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, UZ, VN  
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,  
 IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,  
 NE, SN, TD, TG  
 AU 9538708 A1 19960606 AU 1995-38708 19951104 <--  
 PRIORITY APPLN. INFO.: US 1994-339428 A 19941114 <--  
 WO 1995-EP4334 W 19951104 <--  
 AB A topical composition containing menthyl lactate for achieving pain relief is  
 disclosed. A topical **preparation** contained Carbomer 980 0.8,  
 purified water 67.2, propylene glycol 5.0, menthyl lactate 9.0, eucalyptus  
 oil 0.5, SD 3A alc. 15.0, Tween 80 0.5, triethanolamine 1.0, and  
 fragrances 1.0 %.  
 IT 17162-29-7  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (topical **preparation** containing menthyl lactate for pain relief)  
 RN 17162-29-7 HCAPLUS  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 13 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1981:496276 HCAPLUS

DOCUMENT NUMBER: 95:96276

TITLE: Chemistry at rigid surfaces. 6. Photochemically induced reactions with surface-bound sensitizers

AUTHOR(S): Horner, Leopold; Klaus, Joachim

CORPORATE SOURCE: Inst. Org. Chem., Univ. Mainz, Mainz, D-6500, Fed. Rep. Ger.

SOURCE: Liebigs Annalen der Chemie (1981), (5), 792-810

CODEN: LACHDL; ISSN: 0170-2041

DOCUMENT TYPE: Journal

LANGUAGE: German

AB Aerosil was treated with (EtO)<sub>3</sub>Si(CH<sub>2</sub>)<sub>3</sub>NH<sub>2</sub> to give Amino-aerosil, which reacted with carboxylic acids (e.g., 3- and 4-acetylbenzoic acid or anthraquinone-2-carboxylic acid) to form sensitizer-containing surfaces. Irradiation in Me<sub>2</sub>CHOH gave surface-bound pinacols, which were reoxidized by Pb(OAc)<sub>4</sub>. Hydrodimerization on the surface of Aerosil containing 3-(4-acetylbenzamido)propyl groups proceeded 3 times more slowly than with the homogeneous analogs. The following photoreactions were studied with surface-bound sensitizers: addition of Me<sub>2</sub>CHOH to maleic acid and di-Et maleate, isomerization of maleic acid and di-Et fumarate, isomerization of 1,2-diphenylcyclopropane, and autoxidn. of 2,5-dimethylfuran. The reaction rates were faster in the homogeneous systems than in the heterogeneous systems. The reutilization of the

heterogeneous systems was also studied.

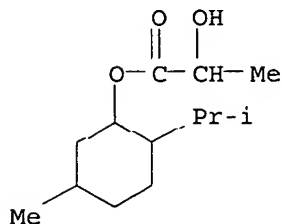
IT 17162-29-7 61597-98-6

RL: PRP (Properties)

(photoreactions with acetylbenzoic acid-modified silica surface in)

RN 17162-29-7 HCAPLUS

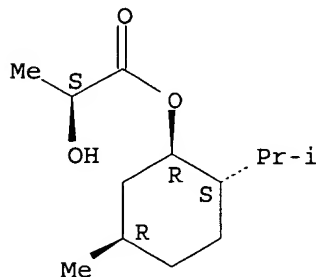
CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



RN 61597-98-6 HCAPLUS

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L23 ANSWER 14 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1980:41174 HCAPLUS

DOCUMENT NUMBER: 92:41174

TITLE: Studies on the occurrence of hydrogen transfer. 58.  
Possibilities and limits of photochemically induced  
asymmetric syntheses

AUTHOR(S): Horner, Leopold; Klaus, Joachim

CORPORATE SOURCE: Inst. Org. Chem., Univ. Mainz, Mainz, D-6500, Fed.  
Rep. Ger.

SOURCE: Liebigs Annalen der Chemie (1979), (8),  
1232-57

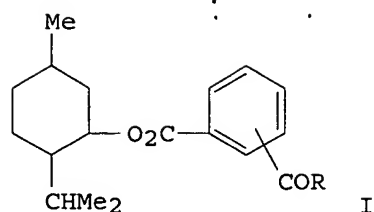
CODEN: LACHDL; ISSN: 0170-2041

DOCUMENT TYPE: Journal

LANGUAGE: German

GI





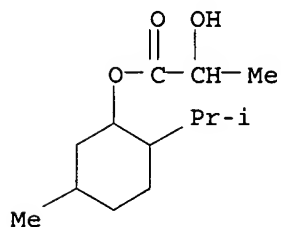
AB The possibility of photochem.-induced asym. synthesis was examined in isomerization, reduction, and addition reactions. Thus, irradiation of trans-1,2-diphenylcyclopropane in the presence of an optically active sensitizer (e.g., I, R = Me or Ph in o- or m-position) in acetone or benzene solution resulted in isomerization and preferential formation of one of the enantiomers of the trans isomer. Photolysis of DL-acetophenone pinacol, (HOCMePh)<sub>2</sub>, in the presence of an optically active sensitizer led to no detectable net change in the optical activity of the reaction mixture. The presence of L-p-menth-3-yl lactate (II) resulted in a 4% excess of one enantiomer. PhCOMe in the excited state is reduced 1.5 times faster by II than by the D-ester. Terebic acid was obtained in 4% optical purity by PhCOMe-sensitized photoaddn. reaction of p-menth-3-yl maleate with Me<sub>2</sub>CHOH and hydrolysis.

IT 17162-29-7 61597-98-6

RL: RCT (Reactant); RACT (Reactant or reagent)  
(photoredn. by, of acetophenone)

RN 17162-29-7 HCAPLUS

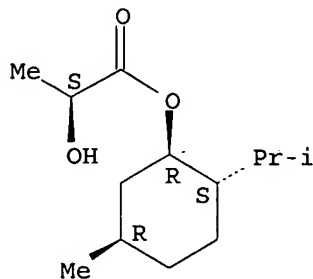
CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



RN 61597-98-6 HCAPLUS

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L23 ANSWER 15 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1978:506932 HCAPLUS

DOCUMENT NUMBER: 89:106932

TITLE: Asymmetric reduction of  $\alpha$ -ketoesters with sodium

borohydride by chiral phase transfer catalysts

AUTHOR(S): Kinishi, Ryoichi; Nakajima, Yosuke; Oda, Junichi;  
Inouye, Yuzo

CORPORATE SOURCE: Inst. Chem. Res., Kyoto Univ., Uji, Japan

SOURCE: Agricultural and Biological Chemistry (1978  
, 42(4), 869-72

CODEN: ABCHA6; ISSN: 0002-1369

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Single and double asym. inductions were achieved in the NaBH<sub>4</sub> reduction of keto esters with catalysts such as (1S,2S)-PhCH(OH)CH(CH<sub>2</sub>OH)N+Me<sub>2</sub>R (R = Et, PhCH<sub>2</sub>, dodecyl). The reduction of (-)-(3R)-menthyl **benzoylformate** gave (3R)-menthyl (S)-mandelate in contrast to the prediction by the Prelog rule.

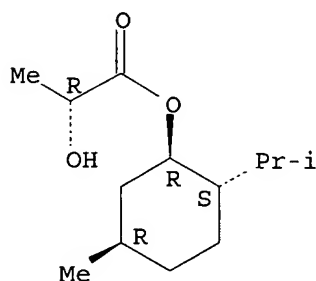
IT 59259-38-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 59259-38-0 HCAPLUS

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L23 ANSWER 16 OF 51 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1976:179294 HCAPLUS

DOCUMENT NUMBER: 84:179294

TITLE: Asymmetric reduction of  $\alpha$ -ketoesters with

Hantzsch esters (dialkoxycarbonyldihydropyridines)

AUTHOR(S): Nishiyama, Kazuyoshi; Baba, Naomichi; Oda, Junichi;  
Inouye, Yuzo

CORPORATE SOURCE: Inst. Chem. Res., Kyoto Univ., Kyoto, Japan

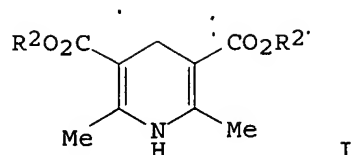
SOURCE: Journal of the Chemical Society, Chemical  
Communications (1976), (3), 101-2

CODEN: JCCCAT; ISSN: 0022-4936

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Reduction of RCOCO2R1 (R = Me, Ph, R1 = Me, (-)-menthyl) with the Hantzsch ester I (R2 = Et, (-)-menthyl) in the presence of a monoionized Zn species caused single and double asymmetric inductions to occur. Addition of Me3CC6H3(OH)2-3,4 to the reaction mixture improved the reduction yield but did not affect the stereochem. Differentiation is made between enantiotopic faces of the substrate CO by diastereotopic H, and between diastereotopic faces by equivalent and diastereotopic H.

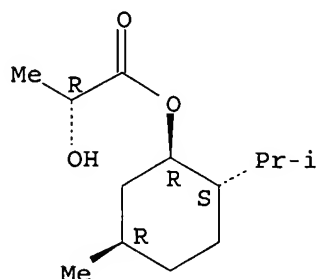
IT 59259-38-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 59259-38-0 HCAPLUS

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester, (2R)- (9CI) (CA INDEX NAME) :

Absolute stereochemistry.



L23 ANSWER 17 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2006:195028 USPATFULL

TITLE: Compacted lactic acid menthyl ester

INVENTOR(S): Korber, Alfred, Holzminden, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006165783	A1	20060727
APPLICATION INFO.:	US 2003-608416	A1	20030630 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10229472	20020701
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P., 1300 19TH STREET, N.W., SUITE 600, WASHINGTON,, DC, 20036, US	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	155	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB The invention relates to lactic acid menthyl ester compacts, a method for the **preparation** of lactic acid menthyl ester compacts and the use thereof.

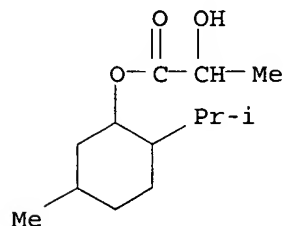
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(preparation of compacted menthyl lactate)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 18 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2006:60137 USPATFULL

TITLE: Coolant solutions and compositions comprising the same

INVENTOR(S): Galopin, Christophe, Cincinnati, OH, UNITED STATES

Moraes, Eduardo, Zurich, SWITZERLAND

Tigani, Lori, Cincinnati, OH, UNITED STATES

PATENT ASSIGNEE(S): Givaudan SA, Vernier, SWITZERLAND, CH-1214 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006051301	A1	20060309
APPLICATION INFO.:	US 2003-532514	A1	20031027 (10)
	WO 2003-CH703		20031027
			20050425 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-421673P	20021028 (60) <--
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NORRIS, MCLAUGHLIN & MARCUS, 875 THIRD AVE, 18TH FLOOR, NEW YORK, NY, 10022, US	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	296	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A solution consisting essentially of menthyl lactate and menthol carboxamide dissolved in a solvent, such as propylene glycol, which solvent is acceptable for food, oral care or cosmetic products and a method of **preparing** it.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

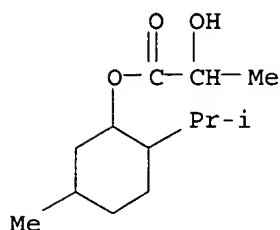
IT 17162-29-7, Menthyl lactate

(preparation of cool-tasting solns. and compns. containing menthyl lactate

and

menthol carboxamide)

RN 17162-29-7 USPATFULL  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 19 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2005:150810 USPATFULL  
 TITLE: Refrigerant composition, refrigerant auxiliary compositions and uses thereof  
 INVENTOR(S): Ishida, Kenya, Kanagawa, JAPAN  
 Sakurai, Kazutoshi, Tokyo, JAPAN  
 PATENT ASSIGNEE(S): Takasago International Corporation, Tokyo, JAPAN  
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005129721	A1	20050616
APPLICATION INFO.:	US 2003-506187	A1	20030228 (10)
	WO 2003-JP2368		20030228

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2002-56407	20020301
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MORGAN LEWIS & BOCKIUS LLP, 1111 PENNSYLVANIA AVENUE NW, WASHINGTON, DC, 20004, US	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1491	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The cool feeling composition of the present invention obtained by combining a cool feeling substance containing at least one compound selected from 1-menthol, isopulegol, 3-(1-menthoxy)propane-1,2-diol, 2-(1-menthoxy)ethan-1-ol, 3-(1-menthoxy)propan-1-ol, 2-methyl-3-(1-menthoxy)propane-1,2-diol, N-ethyl-1-menthylcarboxamide, p-menthane-3,8-diol, 1-menthyl lactate, and 2-isopropyl-N, 2,3-trimethylbutanamide with a salicylic acid ester represented by the following general formula (I), such as 2-hydroxyethyl salicylate, improves strength and persistency of cool feeling effect, particularly, those containing 1-menthol as the cool feeling substance can alleviate the irritant fragrance note resulting from 1-menthol. Mixing of the cool feeling composition or fragrance composition containing the same with products such as foods and drinks, cosmetics, toiletry products, bath agents, and pharmaceuticals can afford products wherein the above features of the cool feeling composition of the invention are effectively exerted. ##STR1## wherein R represents a hydrocarbon group having 1 to 18 carbon atoms which may has a substituent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

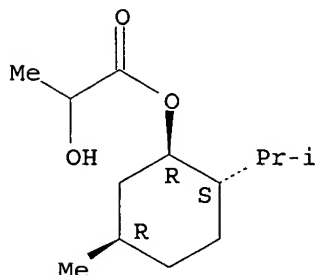
IT 185915-25-7

(refrigerant compns. and refrigerant auxiliary compns. containing cooling agents and salicylate for cosmetic, pharmaceutical, or food products)

RN 185915-25-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Currently available stereo shown.



L23 ANSWER 20 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2005:1434 USPATFULL

TITLE: Method and compositions for imparting cooling effect to tobacco products

INVENTOR(S): Bereman, Robert D., Apex, NC, UNITED STATES  
Shi, Xuling, Raleigh, NC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005000529	A1	20050106
APPLICATION INFO.:	US 2004-838872	A1	20040503 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-US40835, filed on 18 Dec 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-343122P	20011219 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1954	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to smoking articles such as cigarettes, and in particular to a method and composition for providing a cooling effect to cigarettes. The tobacco rod of the cigarette contains a compound that imparts a cooling effect and sensation of freshness to tobacco smoke.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

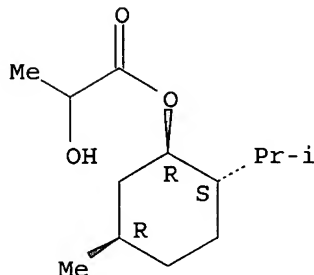
IT 185915-25-7

(flavorants for imparting cooling effect to tobacco products)

RN 185915-25-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Currently available stereo shown.



L23 ANSWER 21 OF 51 USPTAFULL on STN  
ACCESSION NUMBER: 2004:326913 USPTAFULL  
TITLE: Breath Freshening and Oral Cleansing Product Using Salicylaldehyde  
INVENTOR(S): Maxwell, James, 1463 W Gregory St., Chicago, IL, UNITED STATES  
Greenberg, Michael, 1633 Brighton Court, Northbrook, IL, UNITED STATES  
Stawski, Barbara, 501 Marengo, Forest Park, IL, UNITED STATES  
Broderick, Kevin, 1527 Wenonah, Berwyn, IL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004258733	A1	20041223
APPLICATION INFO.:	US 2003-604914	A1	20030826 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-319499P	20020827 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WM. WRIGLEY JR. COMPANY, RESEARCH AND DEVELOPMENT, 3535 S. ASHLAND AVE., CHICAGO, IL, 60609	
NUMBER OF CLAIMS:	128	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1072	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Oral products containing salicylaldehyde for oral cleansing, breath freshening and anti-microbial benefits. The oral products of this invention are dentifrices, chewing gums, confections, mouthwashes, mouth sprays and edible thin film products. In effective amounts, salicylaldehyde is delivered in an oral product for convenient oral cleansing and breath freshening benefits.

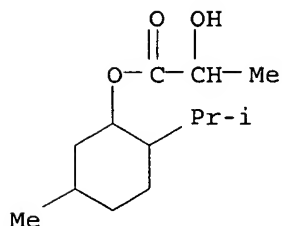
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
(breath fresheners and oral cleansing products containing salicylaldehyde)

RN 17162-29-7 USPTAFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester

(9CI) (CA INDEX NAME)



L23 ANSWER 22 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2004:320537 USPATFULL

TITLE: Breath Freshening and Oral Cleansing Product Using Citral

INVENTOR(S): Maxwell, James, 1463 W. Gregory St., Chicago, IL, UNITED STATES 60640  
 Greenberg, Michael, 1633 Brighton Court, Northbrook, IL, UNITED STATES 60062  
 Stawski, Barbara, 501 Marengo Ave., Forest Park, IL, UNITED STATES 60130  
 Broderick, Kevin, 1527 Wenonah, Berwyn, IL, UNITED STATES 60402

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004253190	A1	20041216
APPLICATION INFO.:	US 2003-604923	A1	20030827 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2003-US26700	20030826
	US 2002-319495P	20020827 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WM. WRIGLEY JR. COMPANY, RESEARCH AND DEVELOPMENT, 3535 S. ASHLAND AVE., CHICAGO, IL, 60609	
NUMBER OF CLAIMS:	99	
EXEMPLARY CLAIM:	1	
LINE COUNT:	978	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Oral products containing citral for oral cleansing, breath freshening and anti-microbial benefits. The oral products of this invention are dentifrices, chewing gums, confections, mouthwashes, mouth sprays and edible thin film products. In effective amounts, citral is delivered in an oral product for convenient oral cleansing and breath freshening benefits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

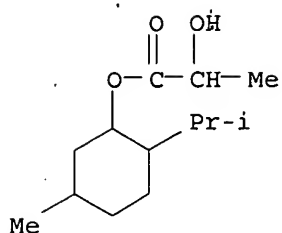
IT 17162-29-7, Menthyl lactate

(breath fresheners and oral cleansing products containing citral)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)





L23 ANSWER 23 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2004:320536 USPATFULL

TITLE: Breath Freshening and Oral Cleansing Product Using Geraniol

INVENTOR(S): Maxwell, James, 1463 W. Gregory St., Chicago, IL, UNITED STATES 60640  
Greenberg, Michael, 1633 Brighton Court, Northbrook, IL, UNITED STATES 60062  
Stawski, Barbara, 501 Marengo Ave, Forest Park, IL, UNITED STATES 60130  
Broderick, Kevin, 1527 Wenonah, Berwyn, IL, UNITED STATES 60402

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004253189	A1	20041216
APPLICATION INFO.:	US 2003-604921	A1	20030827 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2003-US26699	20030826
	US 2002-319496P	20020827 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WM. WRIGLEY JR. COMPANY, RESEARCH AND DEVELOPMENT, 3535 S. ASHLAND AVE., CHICAGO, IL, 60609	
NUMBER OF CLAIMS:	128	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1071	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

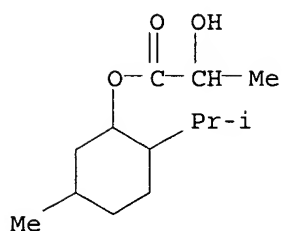
AB Oral products containing geraniol for oral cleansing, breath freshening and anti-microbial benefits. The oral products of this invention are chewing gums, confections, mouthwashes, mouth sprays and edible thin film products. In effective amounts, geraniol is delivered in an oral product for convenient oral cleansing and breath freshening benefits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
(breath fresheners and oral cleansing products containing geraniol)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 24 OF 51 USPATFULL on STN  
 ACCESSION NUMBER: 2004:246808 USPATFULL  
 TITLE: Confectionery with fast flavor release jacket coating  
 INVENTOR(S): Stawski, Barbara Z., Forest Park, IL, UNITED STATES  
 Bernicky, Marc A., Plainfield, IL, UNITED STATES  
 PATENT ASSIGNEE(S): Wm. Wrigley Jr. Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004191402	A1	20040930
APPLICATION INFO.:	US 2004-810461	A1	20040326 (10)

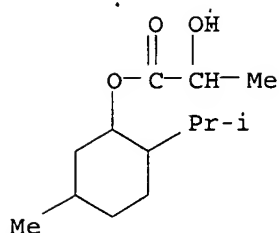
	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-457954P	20030326 (60) <--
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WRIGLEY & DREYFUS 28455, BRINKS HOFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60610	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	627	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A jacketed hard candy product comprises a core made of a boiled hard candy containing one or more flavoring and cooling agents, and an outer layer also made of a boiled hard candy and containing one or more flavoring and cooling agents. The outer layer is jacketed onto the core so as to cover at least a majority of the core. The level of cooling agents in the outer layer is greater than the level of any cooling agents in the core.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
 (confectionery with fast flavor release jacket coating)  
 RN 17162-29-7 USPATFULL  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 25 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2004:184046 USPATFULL

TITLE: Oral products containing novel flavor composition

INVENTOR(S): Johnson, Sonya S., LaGrange, IL, UNITED STATES

Sheldon, Gloria, Hammond, IN, UNITED STATES

Greenberg, Michael J., Northbrook, IL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004141927	A1	20040722
APPLICATION INFO.:	US 2003-705481	A1	20031110 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-319694P	20021114 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BELL, BOYD & LLOYD LLC, P. O. BOX 1135, CHICAGO, IL, 60690-1135	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
LINE COUNT:	922	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Oral products containing Erospicata oil and a cooling agent for a novel organoleptic experience and cost savings. The oral products of this invention include chewing gums, confections, mouthwashes, mouth sprays and edible thin film products.

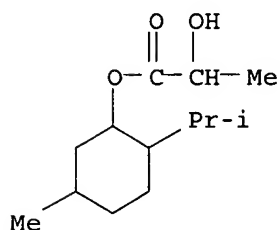
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(oral flavoring compns. containing spearmint oil and organoleptic agents)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 26 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2004:113780 USPATFULL  
 TITLE: Use of surfactants to solubilize water-insoluble solids in beverages  
 INVENTOR(S): Zhong, Yuanzhen, Wayne, NJ, UNITED STATES  
 Given, Peter S., Ridgefield, CT, UNITED STATES  
 Olcese, Gino, Scarsdale, NY, UNITED STATES  
 Fang, Yuan, Cortlandt Manor, NY, UNITED STATES  
 Gomez, Steven, White Plains, NY, UNITED STATES  
 PATENT ASSIGNEE(S): PepsiCo Inc., Purchase, NY (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004086619	A1	20040506
APPLICATION INFO.:	US 2003-635542	A1	20030807 (10)

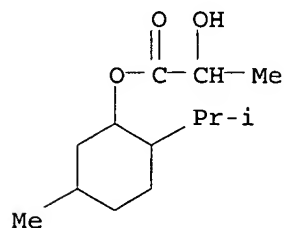
	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-409666P	20020910 (60) <--
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112	
NUMBER OF CLAIMS:	74	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1143	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Surfactants are used in low concentrations in order to solubilize water-insoluble solids for inclusion in aqueous beverages. Beverage concentrates, beverage syrups and finished beverages, all of which contain surfactant and water-insoluble solids, are stable; the concentrates and finished beverages are clear.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
 (surfactants use to solubilize water-insol. solids in beverages)  
 RN 17162-29-7 USPATFULL  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 27 OF 51 USPATFULL on STN  
 ACCESSION NUMBER: 2004:108252 USPATFULL  
 TITLE: Cooling compositons  
 INVENTOR(S): Pesce, Antonella, Pescara, ITALY  
 Meo, Daniela, Salerno, ITALY  
 Carlucci, Giovanni, Chieti, ITALY  
 Di Cintio, Achille, Pescara, ITALY  
 PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH (non-U.S.)

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004082654	A1	20040429
APPLICATION INFO.:	US 2003-687845	A1	20031017 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-US11919, filed on 16 Apr 2002, PENDING		

	NUMBER	DATE	
PRIORITY INFORMATION:	EP 2001-109352	20010417	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1270		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to cooling compositions comprising a cooling agent (preferably menthyl lactate) together with an ester derivative (preferably tri-ethyl citrate). Such compositions deliver immediate and long lasting freshness sensation, while maintaining or even improving skin and/or mucosal membrane health to which they are contacted and deodorizing said skin and/or mucosal membrane.

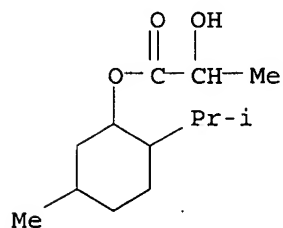
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(cooling compns. containing menthol derivs. and citrate)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 28 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2003:282372 USPATFULL

TITLE: Triple coated confectionery tablet product

INVENTOR(S): Clark, James C., St. Louis, MO, UNITED STATES  
 Alexander, Lonnette, Chicago, IL, UNITED STATES  
 Stawski, Barbara Z., Forest Park, IL, UNITED STATES  
 Kures, Vasek J., Willow Springs, IL, UNITED STATES

PATENT ASSIGNEE(S): Wm. Wrigley Jr. Company. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198713	A1	20031023
	US 6783783	B2	20040831

APPLICATION INFO.: US 2003-418020 A1 20030417 (10)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2002-374023P	20020419 (60)	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	BRINKS HOFFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60610		
NUMBER OF CLAIMS:	35		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	630		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

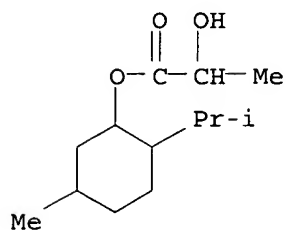
AB A coated confectionary tablet product has a compressed tablet center; a first coating layer surrounding the tablet and comprising a fat; a second coating layer surrounding the first coating layer and comprising a hard shell made from one or more sugars and polyols; and a third coating layer surrounding the second coating layer and comprising a film containing film **forming** agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
(triple-coated confectionery tablet)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 29 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2003:140150 USPATFULL

TITLE: Microemulsion facial washes comprising specific oils

INVENTOR(S): Hua, Xi Yuan, Peekskill, NY, UNITED STATES  
Van Gorkom, Leonard, Englewood, NJ, UNITED STATES  
Aronson, Michael Paul, West Nyack, NY, UNITED STATES  
Zhu, Zhenhe, Peekskill, NY, UNITED STATES

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc. (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003095990	A1	20030522	<--
APPLICATION INFO.:	US 2001-884388	A1	20010619 (9)	
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	APPLICATION			
LEGAL REPRESENTATIVE:	UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020			
NUMBER OF CLAIMS:	8			
EXEMPLARY CLAIM:	1			

LINE COUNT: 907

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to microemulsion comprising oils having defined cleansing and spreadability and providing superior cleansing, mildness, and good feel relative to conventional, non-microemulsion products.

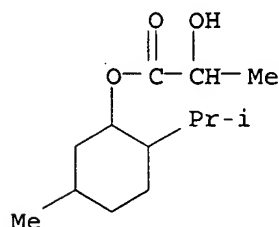
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(microemulsion facial washes containing specific oils and surfactants)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 30 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2003:119786 USPATFULL

TITLE: Chewing gum containing controlled release acyclic carboxamides

INVENTOR(S): Wolf, Fred R., West Des Moines, IA, UNITED STATES  
McGrew, Gordon N., Evanston, IL, UNITED STATES  
Tyrpin, Henry T., Palos Park, IL, UNITED STATES

PATENT ASSIGNEE(S): Wm. Wrigley, Jr. Company (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003082271	A1	20030501	<--
APPLICATION INFO.:	US 2002-253066	A1	20020923	(10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-527169, filed on 16 Mar 2000, GRANTED, Pat. No. US 6455080 Continuation of Ser. No. WO 1997-US24166, filed on 29 Dec 1997, PENDING Continuation of Ser. No. WO 1997-US16731, filed on 18 Sep 1997, PENDING			
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	APPLICATION			
LEGAL REPRESENTATIVE:	BRINKS HOFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60610			
NUMBER OF CLAIMS:	25			
EXEMPLARY CLAIM:	1			
LINE COUNT:	908			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for producing a chewing gum, as well as the chewing gum so produced, includes incorporating a modified release acyclic carboxamide into the gum composition. In one embodiment an acyclic carboxamide is made in a modified release structure and **formed** into particles. The modified release acyclic carboxamide is preferably obtained by physically modifying the properties of the acyclic carboxamide by coating and drying. When incorporated into gum, these particles are adapted to enhance the shelf stability of the flavor and/or produce a modified release when the gum is chewed.

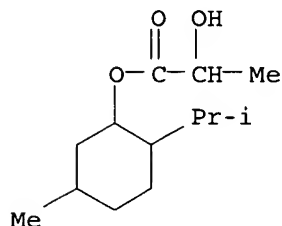
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(chewing gum containing modified-release cool flavor agents)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 31 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2003:105931 USPATFULL

TITLE: Chewing gum having prolonged sensory benefits

INVENTOR(S): Johnson, Sonya S., LaGrange Highlands, IL, UNITED STATES

Greenberg, Michael J., Northbrook, IL, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003072842	A1	20030417	<--
	US 7025999	B2	20060411	
APPLICATION INFO.:	US 2002-127858	A1	20020422	(10)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2001-290380P	20010511	(60) <--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Bell, Boyd & Lloyd LLC, P.O. Box 1135, Chicago, IL, 60690-1135		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
LINE COUNT:	786		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Chewing gums and methods of making same that have prolonged and enhanced sensory benefits are provided. The chewing gums of the present invention include a hydrophobic sweetener, a sensorally active component or trigeminal stimulant, such as a flavor, in addition to other typical chewing gum ingredients. The hydrophobic sweeteners are composed of sweet organic compounds that have a low water solubility.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

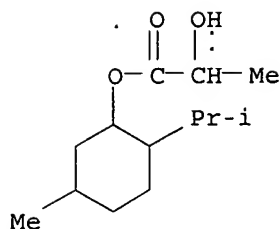
IT 17162-29-7, Menthyl lactate

(hydrophobic sweetener-containing chewing gum having prolonged sensory benefits)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)





L23 ANSWER 32 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2003:85843 USPATFULL  
 TITLE: Physically stable sprayable gel composition  
 INVENTOR(S): Kulkarni, Arun B., East Brunswick, NJ, UNITED STATES  
 Pascal, Felipe A., Hillsborough, NJ, UNITED STATES  
 Halas, Lynn Ann, Ewing, NJ, UNITED STATES

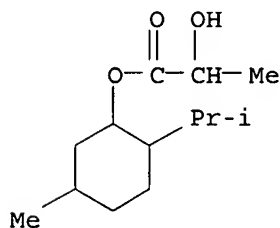
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003059446	A1	20030327
APPLICATION INFO.:	US 2001-954911	A1	20010918 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
LINE COUNT:	355		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A physically stable sprayable gel composition useful for delivering actives to skin including: a gelling agent; water; at least one water-miscible solvent; and a viscosity stabilizer, is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
 (phys. stable sprayable gel compns. containing viscosity stabilizers)  
 RN 17162-29-7 USPATFULL  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 33 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2002:250849 USPATFULL  
 TITLE: Method of treating prickly heat  
 INVENTOR(S): Nitikhunkasem, Attaya, Bangkok, THAILAND  
 Khaiat, Alain V., Singapore, SINGAPORE  
 Hopkins, John, Newbury, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002136787	A1	20020926
	US 6660304	B2	20031209
APPLICATION INFO.:	US 2002-80721	A1	20020222 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-512647, filed on 24 Feb 2000, GRANTED, Pat. No. US 6426092 Continuation of Ser. No. US 1998-208322, filed on 9 Dec 1998, GRANTED, Pat. No. US 6048549		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-68262P	19971219 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Woodcock Washburn LLP, One Liberty Place - 46th Floor, Philadelphia, PA, 19103	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	351	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel powder composition comprised of a skin irritation reducing agent comprising 1-Carboxy-N,N,N-trimethylmethanaminium hydroxide inner salt, scutellaria baicalensis extract, bisabolol, or mixtures thereof. Also provided is a method for treating prickly heat comprised of topically applying an effective amount of the powder to a desired area.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

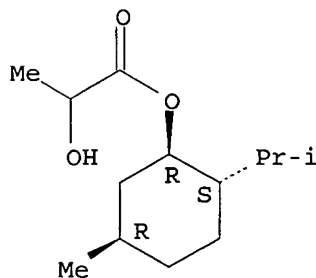
IT 185915-25-7

(pharmaceutical powder compns. comprising carboxytrimethylmethanaminium hydroxide inner salt, scutellaria extract, and bisabolol for the treatment of skin rashes)

RN 185915-25-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Currently available stereo shown.



L23 ANSWER 34 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2002:246398 USPATFULL

TITLE: Chewing gum containing controlled release acyclic carboxamide and method of making

INVENTOR(S): Wolf, Fred R., West Des Moines, IA, United States  
McGrew, Gordon N., Evanston, IL, United States  
Tyrpin, Henry T., Palos Park, IL, United States

PATENT ASSIGNEE(S): WM. Wrigley Jr., Company, Chicago, IL, United States

(U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6455080	B1	20020924	<--
APPLICATION INFO.:	US 2000-527169		20000316	(9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1997-US24166, filed on 29 Dec 1997			
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	GRANTED			
PRIMARY EXAMINER:	Corbin, Arthur L.			
LEGAL REPRESENTATIVE:	Schurtz, Steven P., Brinks Hofer Gilson & Lione			
NUMBER OF CLAIMS:	23			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)			
LINE COUNT:	841			
CAS INDEXING IS AVAILABLE FOR THIS PATENT.				

AB A method for producing a chewing gum, as well as the chewing gum so produced, includes incorporating a modified release acyclic carboxamide into the gum composition. In one embodiment an acyclic carboxamide is made in a modified release structure and **formed** into particles. The modified release acyclic carboxamide is preferably obtained by physically modifying the properties of the acyclic carboxamide by coating and drying. When incorporated into gum, these particles are adapted to enhance the shelf stability of the flavor and/or produce a modified release when the gum is chewed.

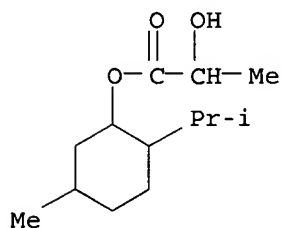
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(chewing gum containing modified-release cool flavor agents)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 35 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2002:227692 USPATFULL

TITLE: Chewing gums and related products that provide breath freshening characteristics

INVENTOR(S): McGrew, Gordon N., Evanston, IL, UNITED STATES  
Maxwell, James R., Chicago, IL, UNITED STATES  
Tyrpin, Henry T., Palos Park, IL, UNITED STATES  
Greenberg, Michael J., Northbrook, IL, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002122843	A1	20020905	<--
	US 7087255	B2	20060808	
APPLICATION INFO.:	US 2001-24669	A1	20011214	(10)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-258534P	20001227 (60)	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	BELL, BOYD & LLOYD LLC, P. O. BOX 1135, CHICAGO, IL, 60690-1135		
NUMBER OF CLAIMS:	37		
EXEMPLARY CLAIM:	1		
LINE COUNT:	775		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A coated chewing gum is provided that includes a metal salt. The salt can be located in the gum center, coating, or both. A metal salt is provided in a therapeutically effective amount to reduce or eliminate oral malodors. A variety of metal salts are possible. The coating may also include a surfactant and an edible oil.

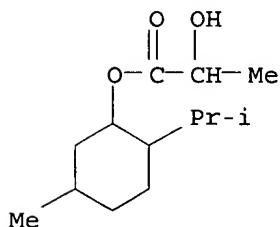
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(chewing gums and related products containing metal salts)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 36 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2002:220975 USPATFULL

TITLE: Cosmetic composition based on menthol and menthyl lactate, having little odor and being non-irritating

INVENTOR(S): Mahe, Veronique, Vaux Sur Seine, FRANCE  
Joetzjer, Pascale, Louviers, FRANCE  
Guise, Anne Emmanuelle, Routen, FRANCE

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002119110	A1	20020829	<--
APPLICATION INFO.:	US 2000-483766	A1	20000119 (9)	

	NUMBER	DATE	
PRIORITY INFORMATION:	FR 1999-704	19990122	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Audley A Ciamporcero Jr Esq, Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ, 08933-7003		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		

LINE COUNT: 341

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a freshening cosmetic composition characterized in that it comprises 0.01% to 2% by weight menthol and 0.1% to 10% by weight menthyl lactate, the menthol/menthyl lactate ratio lying in the range 1/3 to 1/10, and being such that the odor of the menthol is barely perceptible, said composition not being irritating, in particular for the sensitive parts of the human body, while conserving the various beneficial effects of menthol.

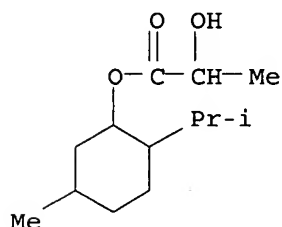
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(cosmetic composition based on menthol and menthyl lactate, having little odor and being non-irritating)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 37 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2002:188142 USPATFULL

TITLE: Powder compositions comprising a skin irritation reducing agent

INVENTOR(S): Nitikhunkasem, Attaya, Bangkok, THAILAND  
Khaiat, Alain V., Singapore, SINGAPORE  
Hopkins, John, Newbury, UNITED KINGDOM

PATENT ASSIGNEE(S): Johnson & Johnson Consumer Companies, Inc., Skillman, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6426092	B1	20020730	<--
APPLICATION INFO.:	US 2000-512647		20000224 (9)	
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-208322, filed on 9 Dec 1998, now patented, Pat. No. US 6048549			

	NUMBER	DATE	
PRIORITY INFORMATION:	US 1997-68262P	19971219 (60)	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Moezie, Minna		
ASSISTANT EXAMINER:	Berman, Alysia		
LEGAL REPRESENTATIVE:	Mongini, Michele G., Harriman, Erin M.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	332		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB A novel powder composition comprised of a skin irritation reducing agent comprising 1-Carboxy-N,N,N-trimethylmethanaminium hydroxide, inner salt, scutellaria baicalensis extract, bisabolol, or mixtures thereof. Also provided is a method for treating prickly heat comprised of topically applying an effective amount of the powder to a desired area.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

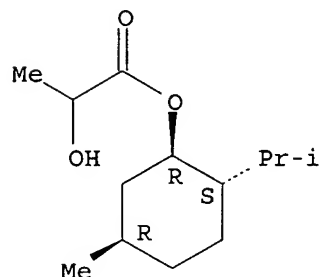
IT 185915-25-7

(pharmaceutical powder compns. comprising carboxytrimethylmethanaminium hydroxide inner salt, scutellaria extract, and bisabolol for the treatment of skin rashes)

RN 185915-25-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Currently available stereo shown.



L23 ANSWER 38 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2002:95342 USPATFULL

TITLE: Oral compositions for reducing mouth odors

INVENTOR(S): Liu, Xiaoyan, Highland Park, NJ, United States  
Williams, Malcolm, Piscataway, NJ, United States  
Subramanyam, Ravi, Belle Mead, NJ, United States  
Hughes, John, Cranbury, NJ, United States

PATENT ASSIGNEE(S): Colgate Palmolive Company, New York, NY, United States  
(U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6379652	B1	20020430	<--
APPLICATION INFO.:	US 2000-688660		20001016	(9)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	GRANTED			
PRIMARY EXAMINER:	Rose, Shep K.			
LEGAL REPRESENTATIVE:	Shapiro, Paul			
NUMBER OF CLAIMS:	11			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)			
LINE COUNT:	379			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method to suppress oral malodor and provide long lasting breath protection wherein there is applied to the oral cavity of the user an oral composition comprising an orally acceptable vehicle containing therein a flavor system comprised of a mixture of an essential oil and a coolant compound which is a menthyl ester of naturally occurring hydrocarboxylic acids having 2 to 6 carbon atoms esterified with

C.sub.1-C.sub.4 alkyl groups.

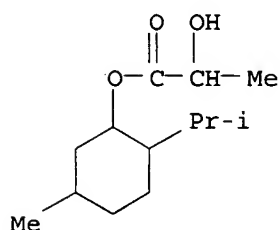
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(oral compns. for reducing mouth odors containing menthyl esters)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 39 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2001:121082 USPATFULL

TITLE: Cosmetic compositions with sensate mixtures based on isopulegol

INVENTOR(S):  
Suares, Alan Joseph, Cheshire, CT, United States  
Znaiden, Alexander Paul, Trumbull, CT, United States  
Feliciano, Donald Carl, Orange, CT, United States  
Carrabotta, Michele, Fairfield, CT, United States

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc., Greenwich, CT, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6267974	B1	20010731	<--
APPLICATION INFO.:	US 1999-430071		19991029	(9)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 1999-129782P	19990416	(60) <--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Jones, Dameron L.		
LEGAL REPRESENTATIVE:	Honig, Milton L.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	313		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A sensate composition is provided for imparting a long lasting cooling effect on skin. The composition is a combination of menthyl lactate, isopulegol and menthoxypropanediol, the latter providing a cooling enhancing effect. Cosmetic compositions can be prepared incorporating the sensate composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

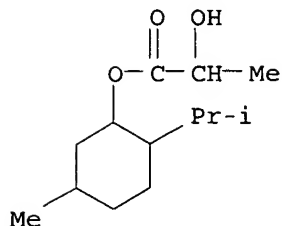
IT 17162-29-7, Menthyl lactate

(cosmetic compns. containing menthyl lactate and isopulegol and menthoxypropanediol)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester

(9CI) (CA INDEX NAME)



L23 ANSWER 40 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2000:125092 USPATFULL

TITLE: Oral compositions containing a zinc compound

INVENTOR(S): Nair, Mona, Morris Plains, NJ, United States

Pan, Pauline, Morris Plains, NJ, United States

Kumar, Lori, Skillman, NJ, United States

PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6121315		20000919	<--
	WO 9811867		19980326	<--
APPLICATION INFO.:	US 1999-269256		19990319	(9)
	WO 1997-US16735		19970919	
			19990319	PCT 371 date
			19990319	PCT 102(e) date

	NUMBER	DATE	
PRIORITY INFORMATION:	US 1996-27435P	19960920	(60) <--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Criares, Theodore J.		
ASSISTANT EXAMINER:	Kim, Jennifer		
LEGAL REPRESENTATIVE:	Federman, Evan J.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1174		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Oral compositions including zinc and a coolant provide extended breath freshening without the poor taste and astringency associated with zinc containing compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

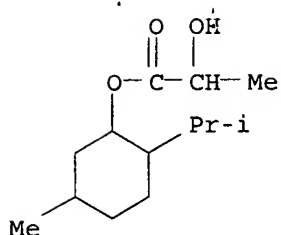
IT 17162-29-7, Menthyl lactate

(dentifrice comps. containing zinc compound and essential oil components)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)





L23 ANSWER 41 OF 51 USPATFULL on STN

ACCESSION NUMBER: 2000:67758 USPATFULL

TITLE: OXA acids and related compounds for treating skin conditions

INVENTOR(S): Ptchelintsev, Dmitri, Mahwah, NJ, United States  
Scancarella, Neil, Wyckoff, NJ, United States  
Kalafsky, Robert, Ogdensburg, NJ, United States

PATENT ASSIGNEE(S): Avon Products, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6069169		20000530 <--
APPLICATION INFO.:	US 1997-863502		19970602 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-658089, filed on 4 Jun 1996, now patented, Pat. No. US 5847003		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Reamer, James H.		
LEGAL REPRESENTATIVE:	Ohlandt, Greeley, Ruggiero & Perle, LLP		
NUMBER OF CLAIMS:	59		
EXEMPLARY CLAIM:	1,21		
LINE COUNT:	977		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to the use of compounds of **Formula (I)**, depicted below, as active principals for treating skin conditions; compositions containing these compounds; and methods of treating skin conditions using these compounds and compositions. ##STR1## wherein R.sub.4 is (CR.sub.5 R.sub.6 --CR.sub.7 R.sub.8 --X.sub.1).sub.n --CR.sub.9 R.sub.10 R.sub.11, n is an integer from 1 to 18; R.sub.1, R.sub.2, R.sub.3, R.sub.5, R.sub.6, R.sub.7, R.sub.8, R.sub.9, R.sub.10 and R.sub.11, are independently, hydrogen or non-hydrogen substituents; and X, X.sub.1, Y and Z are independently, 0, NH, or S.

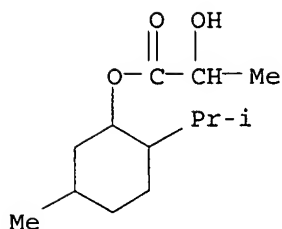
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(oxo acids and related compds. for treating skin conditions)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 42 OF 51 USPATFULL on STN  
 ACCESSION NUMBER: 2000:43790 USPATFULL  
 TITLE: Powder compositions  
 INVENTOR(S): Nitikhunkasem, Attaya, Bangkok, Thailand  
 Khaiat, Alain V., Singapore, Singapore  
 Hopkins, John, Newbury, United Kingdom  
 PATENT ASSIGNEE(S): Johnson & Johnson Consumer Companies, Inc., Skillman,  
 NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6048549		20000411	<--
APPLICATION INFO.:	US 1998-208322		19981209 (9)	

	NUMBER	DATE	
PRIORITY INFORMATION:	US 1997-68262P	19971219 (60)	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Berman, Alysia		
LEGAL REPRESENTATIVE:	Mangini, Michele G.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	361		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel powder composition comprised of a skin irritation reducing agent comprising 1-Carboxy-N,N,N-trimethylmethanaminium hydroxide inner salt, scutellaria baicalensis extract, bisabolol, or mixtures thereof. Also provided is a method for treating prickly heat comprised of topically applying an effective amount of the powder to a desired area.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

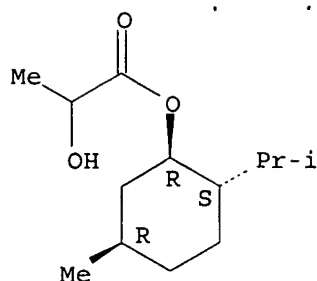
IT 185915-25-7

(pharmaceutical powder compns. comprising carboxytrimethylmethanaminium hydroxide inner salt, scutellaria extract, and bisabolol for the treatment of skin rashes)

RN 185915-25-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Currently available stereo shown.



L23 ANSWER 43 OF 51 USPATFULL on STN

ACCESSION NUMBER: 1999:88808 USPATFULL

TITLE: Oxa diacids and related compounds for treating skin conditions

INVENTOR(S): Ptchelintsev, Dmitri, Mahwah, NJ, United States  
Scancarella, Neil, Wyckoff, NJ, United States  
Kalafsky, Robert, Ogdensburg, NJ, United States

PATENT ASSIGNEE(S): Avon Products, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5932229		19990803 <--
APPLICATION INFO.:	US 1997-850333		19970502 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-636540, filed on 25 Apr 1996, now patented, Pat. No. US 5834513		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Venkat, Jyothsna		
LEGAL REPRESENTATIVE:	Ohlandt, Greeley, Ruggiero & Perle, L.L.P.		
NUMBER OF CLAIMS:	32		
EXEMPLARY CLAIM:	1		
LINE COUNT:	915		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described are the use of compounds of **Formula (I)**, depicted below, as active principals for treating skin conditions; compositions containing these compounds; and methods of treating skin conditions using these compounds and compositions. ##STR1## wherein R.sub.4 is (CR.sub.5 R.sub.6 --CR.sub.7 R.sub.8 --X.sub.1).sub.n --CR.sub.9 R.sub.10 --C(.dbd.X.sub.2)X.sub.3 R.sub.11, n is an integer from 1 to 18; R.sub.1, R.sub.2, R.sub.3, R.sub.5, R.sub.6, R.sub.7, R.sub.8, R.sub.9, R.sub.10 and R.sub.11, are independently, hydrogen or non-hydrogen substituents; and X, X.sub.1, X.sub.2, X.sub.3, Y and Z are independently, O, NH, or S.

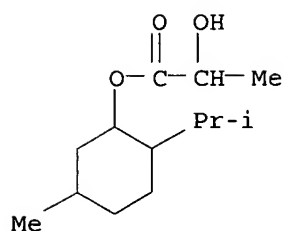
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate

(oxa diacids and related compds. for treating skin conditions)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 44 OF 51 USPATFULL on STN

ACCESSION NUMBER: 1999:27692 USPATFULL

TITLE: Denture adhesive compositions

INVENTOR(S): Liang, Nong, West Chester, OH, United States  
 Rajaiah, Jayanth, Loveland, OH, United States  
 Gilday-Weber, Kimberly Ann, Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Proctor & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5877233		19990302
APPLICATION INFO.:	US 1997-824940		19970327 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Michl, Paul R.		
LEGAL REPRESENTATIVE:	Zea, Betty J., Hentz, Mary Catherine, Mohl, Douglas C.		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
LINE COUNT:	673		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

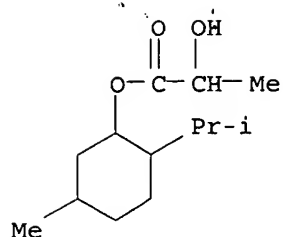
AB Disclosed is a denture adhesive composition comprising at least one non-adhesive self-supporting layer; and a partial salt of a lower alkyl vinyl ether-maleic acid copolymer wherein the partial salt comprises a cationic salt function consisting essentially of: from about 0.01% to about 10% of ferric iron cations; and from about 0.1% to about 75% of divalent and/or monovalent metal cations selected from the group consisting of zinc, calcium, magnesium, potassium, sodium, ammonium, and mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
 (denture adhesive comps. comprising partial salt of lower alkyl vinyl ether-maleic acid copolymer)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 45 OF 51 USPATFULL on STN

ACCESSION NUMBER: 1999:22142 USPATFULL

TITLE: Denture adhesive compositions

INVENTOR(S): Liang, Nong, West Chester, OH, United States  
Rajaiah, Jayanth, Loveland, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5872161		19990216
APPLICATION INFO.:	US 1997-835041		19970327 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rose, Shep K.		
LEGAL REPRESENTATIVE:	Zea, Betty J., Hentz, Mary Catherine, Rasser, Jacobus C.		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	543		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

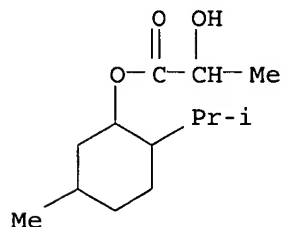
AB Disclosed is a denture adhesive composition comprising a partial salt of a lower alkyl vinyl ether-maleic acid copolymer wherein the partial salt comprises a cationic salt function consisting essentially of: from about 0.01% to about 10% of ferric iron cations; and from about 0.1% to about 75% of divalent and/or monovalent metal cations selected from the group consisting of zinc, calcium, magnesium, potassium, sodium, ammonium, and mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
(denture adhesive compns. comprising partial salt of lower alkyl vinyl ether-maleic acid copolymer)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 46 OF 51 USPATFULL on STN

ACCESSION NUMBER: 1998:162007 USPATFULL  
TITLE: Pharmaceutical compositions containing kukui nut oil  
INVENTOR(S): Munden, James W., Portage, MI, United States  
PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5853732		19981229	<--
APPLICATION INFO.:	US 1997-958273		19971027 (8)	

	NUMBER	DATE	
PRIORITY INFORMATION:	US 1996-32048P	19961112 (60)	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rose, Shep K.		
LEGAL REPRESENTATIVE:	Yang, Lucy X.		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
LINE COUNT:	776		

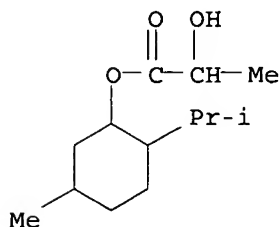
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides pharmaceutical compositions comprising an effective amount of dermopharmaceutical active agent, kukui nut oil and a pharmaceutically acceptable base which comprises ingredients selected from the group consisting of propylene glycol, glycerin, xanthin gum, methyl paraben, propyl paraben, stearic acid, menthyl lactate, cetearyl alcohol (and) cetareth 20, polyoxyl 40 stearate, glyceryl stearate (and) PEG-100 stearate, isopropyl myristate, isopropyl alcohol, oleyl alcohol, oleic acid, dimethicone, or C.sub.12 -C.sub.15 alcohols benzoate and purified water.

The inclusion of kukui nut oil acts in synergy as an adjunct to the therapeutic agent to promote the alleviation of the medical condition being treated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
(topical pharmaceutical compns. containing kukui nut oil)  
RN 17162-29-7 USPATFULL  
CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 47 OF 51 USPATFULL on STN

ACCESSION NUMBER: 1998:86091 USPATFULL  
TITLE: Stabilized lactic acid menthyl ester

INVENTOR(S): Kuhn, Walter, Holzminden, Germany, Federal Republic of  
Korber, Alfred, Holzminden, Germany, Federal Republic  
of  
Langner, Roland, Bevern, Germany, Federal Republic of  
Hagena, Detlef, Stahle, Germany, Federal Republic of  
PATENT ASSIGNEE(S): Haarmann & Reimer GmbH, Holzminden, Germany, Federal  
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5783725		19980721	<--
APPLICATION INFO.:	US 1997-799856		19970213	(8)

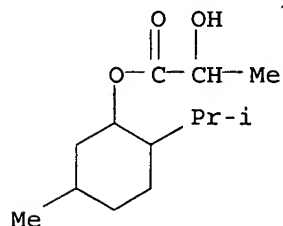
	NUMBER	DATE	
PRIORITY INFORMATION:	DE 1996-19607278	19960227	<--
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Reamer, James H.		
LEGAL REPRESENTATIVE:	Sprung Kramer Schaefer & Briscoe		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	86		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Lactic acid menthyl ester can be stabilized by addition of alkali metal carbonate and/or bicarbonate and/or alkaline earth metal carbonate and/or bicarbonate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7  
(stabilization of menthyl lactate with Group IA and/or IIA carbonates and/or bicarbonates)  
RN 17162-29-7 USPATFULL  
CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



L23 ANSWER 48 OF 51 USPATFULL on STN  
ACCESSION NUMBER: 97:73294 USPATFULL  
TITLE: Thickened nonabrasive personal cleansing compositions  
INVENTOR(S): Fowler, Timothy John, Cincinnati, OH, United States  
McManus, Richard Loren, West Chester, OH, United States  
Deckner, George Endel, Cincinnati, OH, United States  
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5658577		19970819	<--

APPLICATION INFO.: US 1995-466533 19950606 (8)  
 RELATED APPLN. INFO.: Continuation of Ser. No. US 1994-296566, filed on 26 Aug 1994, now patented, Pat. No. US 5534265  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Page, Thurman K.  
 ASSISTANT EXAMINER: Spear, James M.  
 LEGAL REPRESENTATIVE: Sabatelli, Anthony D., Rasser, Jacobus D.  
 NUMBER OF CLAIMS: 12  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 1499  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to nonabrasive thickened aqueous-based personal cleansing compositions. These compositions utilize insoluble micronized cleansing particles of defined particle size that are not tactilely perceived by the user during the cleansing process, and yet which provide improved cleansing performance from the composition.

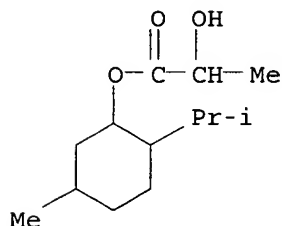
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7

(thickened nonabrasive personal cleansing compns.)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)



L23 ANSWER 49 OF 51 USPATFULL on STN

ACCESSION NUMBER: 96:60453 USPATFULL

TITLE: Thickened nonabrasive personal cleansing compositions

INVENTOR(S): Fowler, Timothy J., Cincinnati, OH, United States  
 McManus, Richard L., West Chester, OH, United States  
 Deckner, George E., Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5534265		19960709
APPLICATION INFO.:	US 1994-296566		19940826 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Spear, James M.		
LEGAL REPRESENTATIVE:	Sabatelli, Anthony D., Lewis, Leonard W., Rasser, Jacobus C.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1491		



CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to nonabrasive thickened aqueous-based personal cleansing compositions. These compositions utilize insoluble micronized cleansing particles of defined particle size that are not tactilely perceived by the user during the cleansing process, and yet which provide improved cleansing performance from the composition.

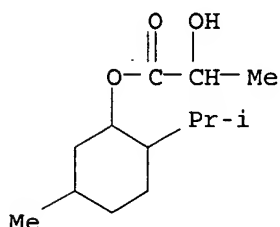
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7

(thickened nonabrasive personal cleansing compns.)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 50 OF 51 USPATFULL on STN

ACCESSION NUMBER: 95:84200 USPATFULL

TITLE: Diphosphonic acid esters as tartar control agents

INVENTOR(S): Zerby, Kim W., Cincinnati, OH, United States

Hayes, Jeffrey C., Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5451401		19950919	<--
APPLICATION INFO.:	US 1993-129567		19930929	(8)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Rose, Shep K.			
LEGAL REPRESENTATIVE:	Poland, Mary Catherine, Harleston, Kathleen M., Mohl, Douglas C.			
NUMBER OF CLAIMS:	6			
EXEMPLARY CLAIM:	1			
LINE COUNT:	617			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polyphosphonic acid ester compounds with flavorant, coolant and/or sweetener components, and tartar, plaque and/or calculus control compositions with improved taste comprising one or more polyphosphonic acid ester compounds are described.

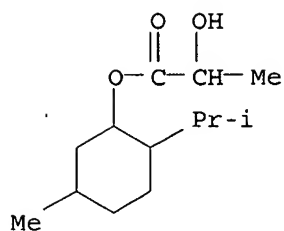
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7D, di- and polyphosphonate esters

(diphosphonic acid esters as tartar control agents)

RN 17162-29-7 USPATFULL

CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
(9CI) (CA INDEX NAME)



L23 ANSWER 51 OF 51 USPATFULL on STN  
 ACCESSION NUMBER: 90:42342 USPATFULL  
 TITLE: Unit dosage **form**  
 INVENTOR(S): Bartolucci, Raymond A., New City, NY, United States  
 PATENT ASSIGNEE(S): American Cyanamid Company, Stamford, CT, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4929446		19900529	<--
APPLICATION INFO.:	US 1988-183683		19880419	(7)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Robinson, Ellis P.			
ASSISTANT EXAMINER:	Prater, P. L.			
LEGAL REPRESENTATIVE:	Jackson, H. G.			
NUMBER OF CLAIMS:	16			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)			
LINE COUNT:	594			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention discloses edible unit dosage **form** for delivering a medicament comprising a relatively hard, unitary outer shell composed essentially of sugar which encompasses a liquid or semi-solid center core containing the medicament dose accurate to within about  $\pm 5\%$  of the prescribed dosage, and a method for production of said unit dosage **form**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 17162-29-7, Menthyl lactate  
 (coated antitussive unit dose containing)  
 RN 17162-29-7 USPATFULL  
 CN Propanoic acid, 2-hydroxy-, 5-methyl-2-(1-methylethyl)cyclohexyl ester  
 (9CI) (CA INDEX NAME)

